J.4   ENERGY STAR COMPLIANCE

In accordance with the Energy Policy Act of 2005 (P.L. 109-58), the following performance criteria are applicable for ENERGY STAR® qualified and FEMP-designated products.

J.4.1 Computers and Monitors

The Contractor shall provide new and repaired computers, monitors, and integrated computer-monitor systems that earn the ENERGY STAR and are configured properly for automatic energy-saving features, such as entering into low-power or sleep mode after a maximum of 30 minutes of inactivity, as per current ENERGY STAR specifications. The Contractor shall provide customer support with respect to power management features, such that these features remain properly enabled and repaired if a malfunction occurs. The Contractor is encouraged to visit energystar.gov for complete product specifications and an updated list of qualifying products.

Table A: Key Product Criteria for ENERGY STAR Labeled Computers

Guideline	Power Consumption	
• Shall enter a sleep mode within 30 minutes of inactivity • If shipped with network capability, shall sleep on networks and respond to wake events	Power Supply	Watts (W) in Sleep Mode
	Guideline A*: ≤ 200W > 200W ≤ 300W > 300W ≤ 350W > 350W ≤ 400W > 400W	≤ 15W ≤ 20W ≤ 25W ≤ 30W 10% of power supply's maximum continuous output rating
• Shall enter a sleep mode within 30 minutes of inactivity • If shipped with network capability, shall sleep on networks and respond to wake events	**Guideline B**:**	≤ 15% of power supply's maximum continuous output rating

* The following types of computers must be qualified under Guideline A:

• Computers that are shipped with the capability to be on networks such that they can remain in their low-power/sleep mode while their network interface adapter retains the ability to respond to network queries.
• Computers that are not shipped with a network interface capability.

- Computers shipped to a non-networked environment.

EPA expects computers sold or otherwise marketed as personal computers to be qualified under Guideline A only.

** Computers that are shipped with the capability to be on networks that currently require the computer's processor and/or memory to be involved in maintaining its network connection while in sleep mode can be qualified under Guideline B. Computers qualifying under Guideline B are expected to maintain identical network functionality in and out of sleep mode.

Table B: Key Product Criteria for ENERGY STAR Labeled Monitors

Low-Power Mode	First Low-Power "Sleep Mode"	Second Low-Power "Deep Sleep" Mode
Maximum Watts in Low-Power State	≤ 15 Watts	≤ 8 Watts
Maximum Time to Enter Low-Power State	≤ 30 minutes	≤ 60 minutes*

*Note: The time that a monitor takes to enter into the first low power "sleep mode" and the second low-power "deep sleep" mode shall not exceed 60 minutes.

Table C: Key Product Criteria for ENERGY STAR Labeled Integrated Computer System

Guideline	**Power Consumption (Watts in Sleep Mode)**
• Shall enter a sleep mode within 30 minutes of inactivity • If shipped with network capability, shall sleep on networks and respond to wake events	≤ 35W

Additional considerations for the procurement official:

- You, or other individuals in your organization, may adjust the power management setting to conform to unique work patterns. If you have questions about activating or changing the sleep feature, refer to the owners' manual, call the manufacturer's help line, or visit www.energystar.gov/powermanagement.
- If your business operates on a local area network (LAN), be sure to specify that the power management feature on your computer is compatible with the existing network system.